EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	659448	(muffle$1 manifold) with (heat$3) same (thermocouple thermometer thermistor) or ((temperature) with (sens$3 detect$3 monitor$3 control$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/15 08:01
L2	4758	((muffle$1 manifold) with (heat$3)) same ((thermocouple thermometer thermistor) or ((temperature) with (sens$3 detect$3 monitor$3 control$4)))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/15 08:02
L3	731	((muffle$1 manifold) with (heat$3)) same ((thermocouple thermometer thermistor) or ((temperature) with (sens$3 detect$3 monitor$3 control$4))) same (wafer semiconductor circuit)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/15 08:23
L4	45	156/345.17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/15 08:19
L5	14	(156/345.17 156/345.21) and (heat$3 same ((thermocouple thermometer thermistor) or ((temperature) with (sens$3 detect$3 monitor$3 control$4))))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/15 08:21
L6	80	((muffle$1 manifold) with (heat$3)) same ((thermocouple thermometer thermistor) or ((temperature) with (sens$3 detect$3 monitor$3 control$4))) same (wafer semiconductor circuit)	EPO; JPO; DERWENT	OR	OFF	2007/03/15 08:29
L7	0	"9916109" and meniscus	EPO; JPO; DERWENT	OR	OFF	2007/03/15 08:29
L8	5	"9916109"	EPO; JPO; DERWENT	OR	OFF	2007/03/15 08:29
S1	798	"proximity head"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:17
S2	183	S1 and (wafer semiconductor substrate)	US-PGPUB; USPAT	OR	OFF	2006/05/15 13:59
S3	9	("proximity head" same heat$3)and (wafer semiconductor substrate)	US-PGPUB; USPAT	OR	OFF	2006/05/15 12:15
S4	8	("3128158" | "4294021" | "4736529" | "5423248").PN. OR ("5553394").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:20
S5	20	(mikhaylichenko delarios).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:03

S6	262	156/345.17 156/345.18 156/345.37 134/106	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:23
S7	35	("3834083" | "3900866" | "4113492" | "4314022" | "4393807" | "4510176" | "4518678" | "4557785" | "4576796" | "4611553" | "4668334" | "4685975" | "4732785" | "4790262" | "4838979" | "4886728" | "4899685" | "5013586" | "5103102" | "5151219" | "5178989" | "5238713" | "5279926" | "5289222" | "5294257" | "5358740" | "5362608" | "5378511" | "5444921" | "5474807" | "5580607" | "5608943" | "5705223" | "5759427" | "5952050").PN. OR ("6793764").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:37
S8	20	"5103102"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:41
S9	2026	438/745	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:41
S10	813	S9 and heat$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 12:41
S11	3	("20020067400" | "6365531" | "6599582").PN. OR ("6977222").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:11
S12	717	261/142	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:12
S13	122	S12 and (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:14
S14	60	S13 and (suc$3 vacuum)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:17
S15	1530	muffle and (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:17
S16	594	(muffle with (heat$3 thermal)) and (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:24
S17	18967	(heat$3 same ((vacuum suc$3) with (fluid supply liquid gas))) and (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:25
S18	8341	(heat$3 same ((vacuum suc$3) with (fluid supply liquid gas))) same (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:25

S19	3812	(heat$3 with((vacuum suc$3) with (fluid supply liquid gas))) same (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:25
S20	2538	(heat$3 with((vacuum suc$3) with (fluid supply liquid gas))) with (wafer semiconductor substrate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:26
S21	850	(heat$3 with((vacuum suc$3) with (fluid supply liquid gas))) with (wafer semiconductor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 13:26
S22	7	(("4,838,289") or ("5,271,774") or ("5,705,223") or ("5,945,351") or ("5,997,653") or ("6,398,975") or ("6,491,764")).PN.	USPAT	OR	OFF	2006/05/15 14:03
S23	33	(("3,953,265") or ("4,086,870") or ("4,444,492") or ("4,838,289") or ("5,102,494") or ("5,180,431") or ("5,271,774") or ("5,294,257") or ("5,343,234") or ("5,660,642") or ("5,705,223") or ("5,807,522") or ("5,830,334") or ("5,882,433") or ("5,893,004") or ("5,945,351") or ("5,975,098") or ("5,989,478") or ("5,997,653") or ("6,108,932") or ("6,132,586") or ("6,230,722") or ("6,341,998") or ("6,391,166") or ("6,398,975") or ("6,417,117") or ("6,474,786") or ("6,488,040") or ("6,491,764") or ("6,514,570") or ("6,530,823") or ("6,531,206") or ("6,616,772")).PN. or ((2002/0007869) or (2002/0051644) or (2002/0121290) or (2002/0125212) or (2003/0091745) or (2003/0092264) or (2003/0138968) or (2004/0060573) or (2004/0060581) or (2004/0069319) or (2004/0069326) or (2004/0178060) or (2004/0182422) or (2005/0148197)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:11
S24	0	((2002/0007869) or (2002/0051644) or (2002/0121290) or (2002/0125212) or (2003/0091745) or (2003/0092264) or (2003/0138968) or (2004/0060573) or (2004/0060581) or (2004/0069319) or (2004/0069326) or (2004/0178060) or (2004/0182422) or (2005/0148197)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:07
S25	9	"2002/0007869" "2002/0051644" "2002/0121290" "2002/0125212" "2003/0091745" "2003/0092264" "2003/0138968" "2004/0060573" "2004/0060581" "2004/0069319" "2004/0069326" "2004/0178060" "2004/0182422" "2005/0148197"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:09

S26	57	("3437543" | "3489608" | "3597289" | "3765984" | "3841930" | "3874959").PN. OR ("3953265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 14:13
S27	3644	proximity adj4 head	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:18
S28	100	S27 same (wafer semiconductor)	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:18
S29	115	(proximity adj4 head) with (heat$3)	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:24
S30	2	S29 same (wafer semiconductor)	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:18
S31	0	"9916109".ipc.	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:24
S32	7	"99/16109"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:29
S33	6	"0232825"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:29
S34	1	"03014416"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:29
S35	7	"022280330" "02309638" "11350169"	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:29
S36	11	S7 AND HEAT$3	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:28
S37	0	S35 AND HEAT$3	US-PGPUB; USPAT	OR	OFF	2006/05/15 14:28
S38	0	"99/16109"	EPO; JPO; DERWENT	OR	OFF	2006/05/15 14:29
S39	17	"0232825"	EPO; JPO; DERWENT	OR	OFF	2006/05/15 14:29
S40	1	"03014416"	EPO; JPO; DERWENT	OR	OFF	2006/05/15 14:29
S41	6	"022280330" "02309638" "11350169"	EPO; JPO; DERWENT	OR	OFF	2006/05/15 14:29
S42	24	S39 S40 S41	EPO; JPO; DERWENT	OR	OFF	2006/05/15 14:29
S43	0	"10737766"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 11:21
S44	1	"10/737766"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 12:42
S45	228	156/345.11	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 12:48

EAST Search History

S46	54849	electroplat$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 12:48
S47	21548	S46 and (wafer semiconductor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 12:48
S48	9672	S47 and (concentric$3 inner outer)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 12:48
S49	7	"5756155"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 13:55
S50	13	("3870089" | "4093123" | "4606382" | "4832752" | "5147087" | "5250114" | "5255720").PN. OR ("5756155").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 13:57
S51	1135	(proximity adj head)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 13:57
S52	28	S51 with heat$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:00
S53	26	(mikhaylichenko delarios).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:06
S54	2562	(head with heat$3) same (semiconductor wafer)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:07
S55	156	(head with heat$3) same (semiconductor wafer) same (sens$3 monitor$3 detect$3) with ((temperature) or (thermocouple thermometer))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:16
S56	154	(head with heat$3) same (semiconductor wafer) same (sens$3 monitor$3 detect$3) with (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:17
S57	26	(showerhead with heat$3) same (semiconductor wafer) same (sens$3 monitor$3 detect$3) with (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:17
S58	1	("proximity head" with heat$3) same (semiconductor wafer) same (sens$3 monitor$3 detect$3) with (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:18
S59	180	S56 S57 S58	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:28

S60	1756	134/135 134/90 134/105	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:29
S61	542	S60 and (wafer$1 semiconductor$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:35
S62	390	S60 and (wafer$1 semiconductor$1) and (thermometer thermocouple thermistor temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:52
S63	1005	118/401 118/302	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 14:53
S64	374	S63 and (heat$3) same (temperature thermometer thermocouple thermistor)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 15:54
S65	30	S63 and (heat$3) same (thermometer thermocouple thermistor)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 15:55
S66	56	(showerhead "shower head" "proximity head" distribut$3 nozzle$1 dispers$3 diffus$3) with (heat$3) with (thermometer thermocouple thermistor) same (semiconductor wafer)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 15:59
S67	46	(showerhead "shower head" "proximity head" distribut$3 nozzle$1 dispers$3 diffus$3) with (heat$3) with (thermometer thermocouple thermistor) same (semiconductor wafer)	EPO; JPO; DERWENT	OR	OFF	2007/03/14 16:00

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